U.S. Marine Corps Logistics Modernization

Logistics Modernization Transition Task Force
Logistics Vision and Strategy Center (LPV)
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Agenda

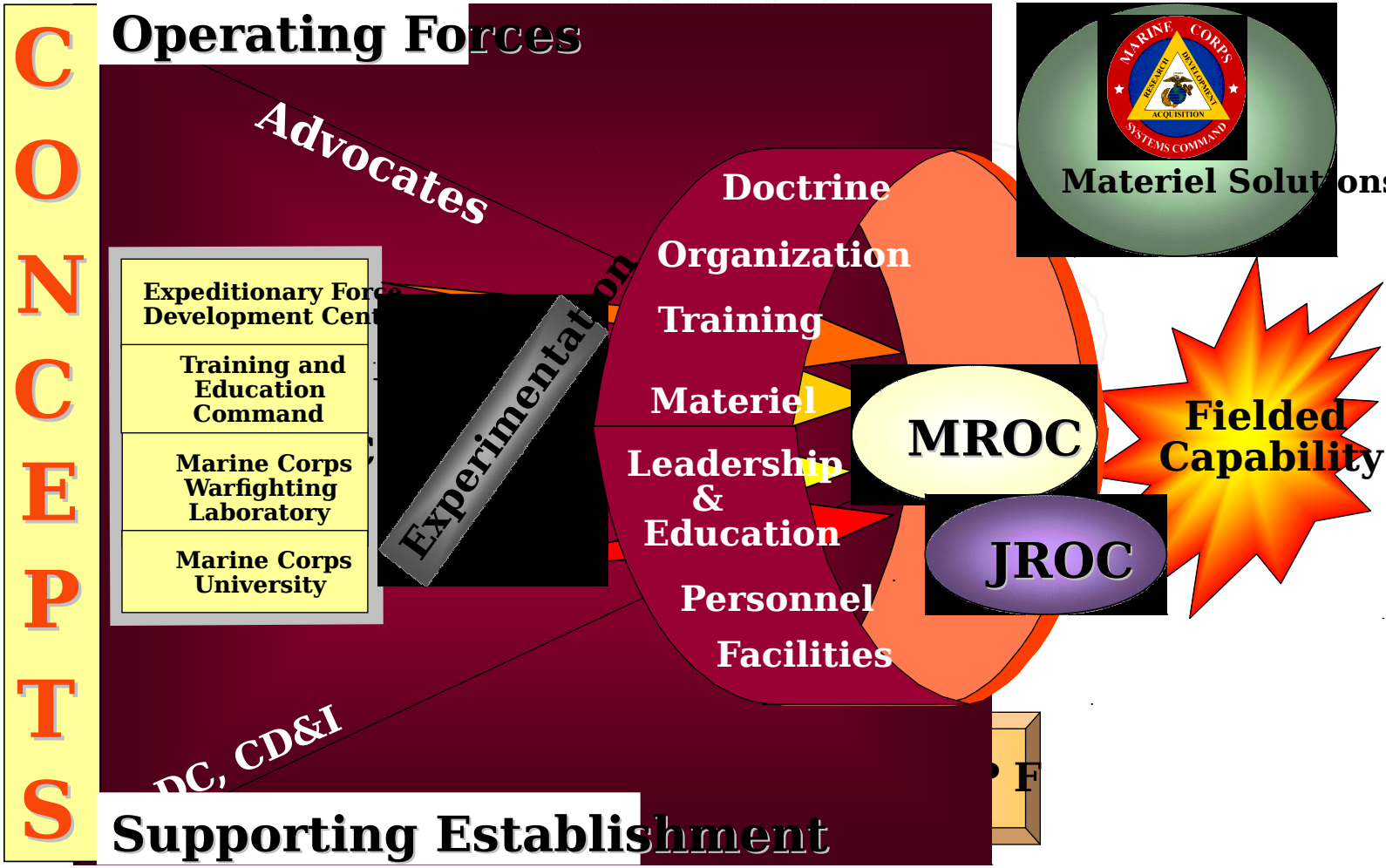
- Logistics Modernization Overview
- Logistics Modernization Initiatives
  - Logistics Operational Architecture
  - MLG Reorganization
  - Logistics Command & Control
  - MAGTF Distribution
  - Realignment of Supply
  - Realignment of Maintenance

Logistics Modernization… Overview

- **Logistics Modernization (Log Mod) is the largest coordinated and cross-organizational transformation effort ever undertaken to transform USMC logistics**
  - **A three pronged improvement and implementation initiative that focuses on Marine Corps people, process, and technology dimensions**

"We cannot improve the combat effectiveness of the MAGTF without logistics modernization." - Gen Hagee

Log Mod and the EFDS



Log Mod and TTF

- Phase I: Force Capability Development
  - DC I&L established the Transition Task Force (TTF) (Jul 04)
  - TTF develop UNS for each Log Mod initiative (Feb 05)
- Phase II: Requirements Development
  - UNS submitted to MCCDC/EFDC (Feb 05)
  - Log Mod and Log Mod Initiatives briefed to DWG (Mar 05)
  - LMDAG established to assess DOTMLPF impact (Apr 05)
    - LMDAG generated tasks that form Log Mod COA and POA&M
  - Results captured in Solution Initiating Directive (SID) (Jul 05)
  - SID forms basis for Solution Planning Directive (SPD) (Jan 06)
- Phase III: Prioritization and Resourcing
  - Prioritize rqmnts for Log Mod & facilitate fielding of GCSS-MC BLK 1 (ongoing)
- Phase IV: Capability Fielding and Transition
  - Execute and manage Log Mod taskings established by SPD (Jan 06-2010)

Logistics Modernization… Initiatives

- **DOTMLPF Change to our People …**
  - ***Marine Logistics Group Reorganization***
  - **Personnel/Military Occupational Specialty Construct**
  - **Investment in Logistics Training**

- **DOTMLPF Change to our Process …**
  - ***Logistics Operational Architecture***
  - ***Logistics Command and Control***
  - ***Realignment of Supply***
  - ***Realignment of Maintenance***
  - ***MAGTF Distribution***

- **DOTMLPF Change to our Technology …**
  - **Modernized and integrated Information technology**
    - *GCSS-MC* (Log Chain Mgmt/LCM)
    - Log/MAGTF C2
  - **Deployed/Bridge Solutions**
    - UID/RFID - BCS3 – W2W – TCPT - CLC2S
  - ***MAGTF C2/Logistics C2*** **… Common Operating Picture and Integration**

LOGISTICS OPERATIONAL ARCHITECTURE (OA)

Six Major Log OA Functions

RM **Request Management**: Function of generating and approving supported unit demands.

OM **Order Management**: Function of routing, coordinating, tasking, and tracking customer orders through to fulfillment.

CM **Capacity Management**: Function of managing, optimizing, prioritizing, and planning resources and capacity to fulfill supported unit demands. Aligns “capability” with demands.

PM **Production Management**: Function of coordinating, planning, tasking, and controlling how customer demands are fulfilled. Assigns specific resources to CSS tasks.

E **Execution**: Function of executing CSS tasks to fulfill customer demands.

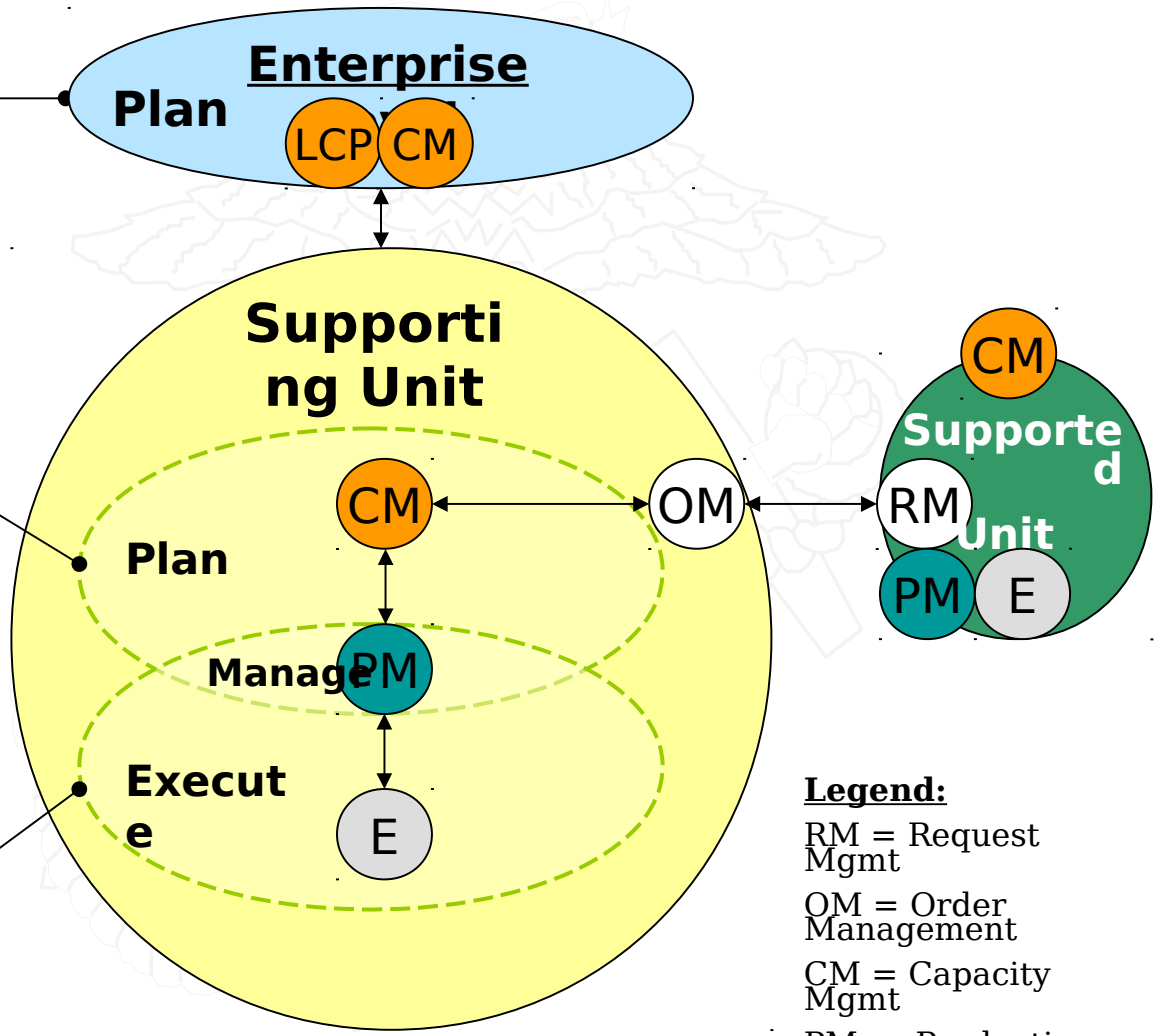
LCP **Logistics Chain Planning**: The function of planning and managing the logistics chain and aligning enterprise capacity.

Logistics Operational Architecture

Planning and designing logistics chains to fulfill demands.

Planning and allocating capacity to fulfill customer orders.

Assigning specific resources to customer orders and actual tasks associated with fulfillment.



Legend:

RM = Request Mgmt

OM = Order Management

CM = Capacity Mgmt

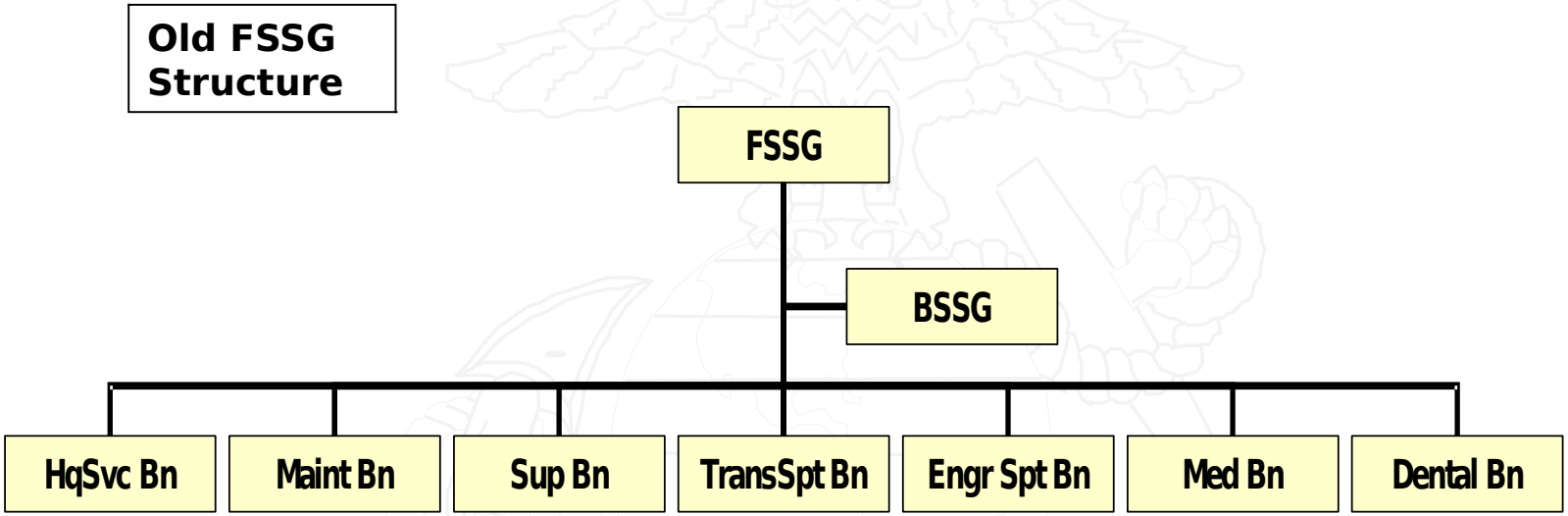
PM = Production Mgmt

E = Execution

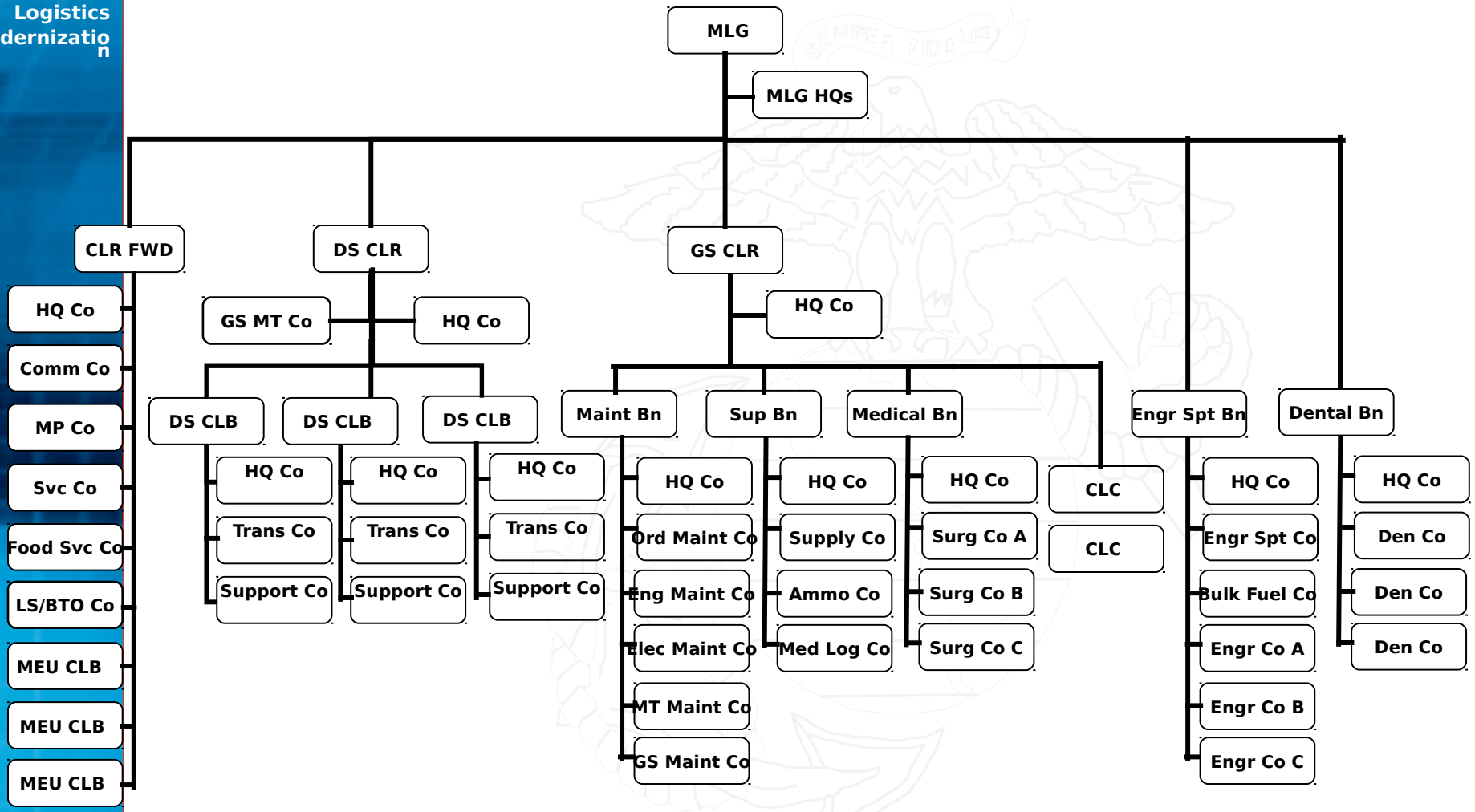
MARINE LOGISTICS GROUP

(MLG) REORGANIZATION

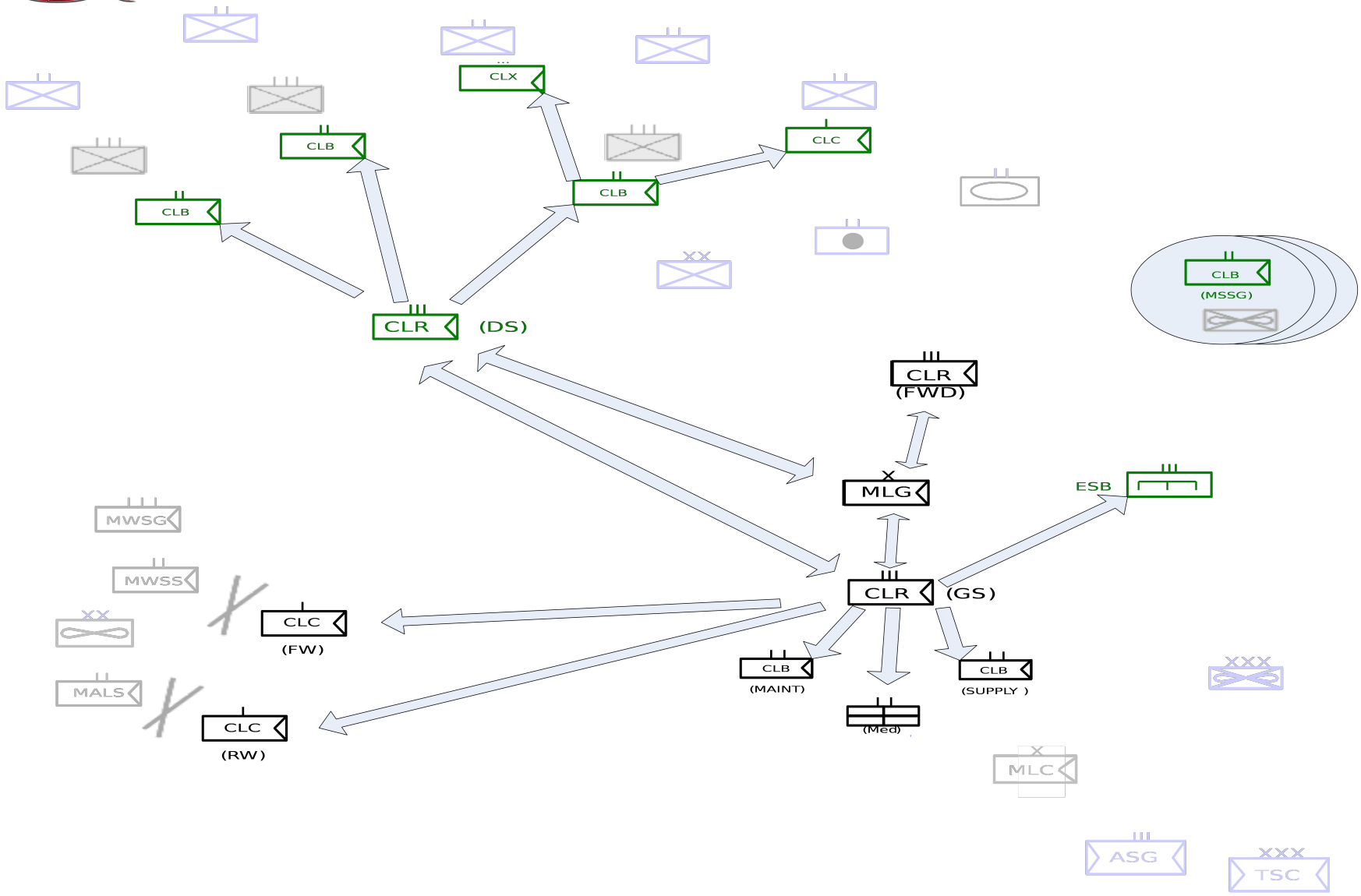
LCE Realignment
FSSG to MLG



Marine Logistics Group



LCE Nodal Laydown



LOGISTICS COMMAND AND CONTROL (C2)

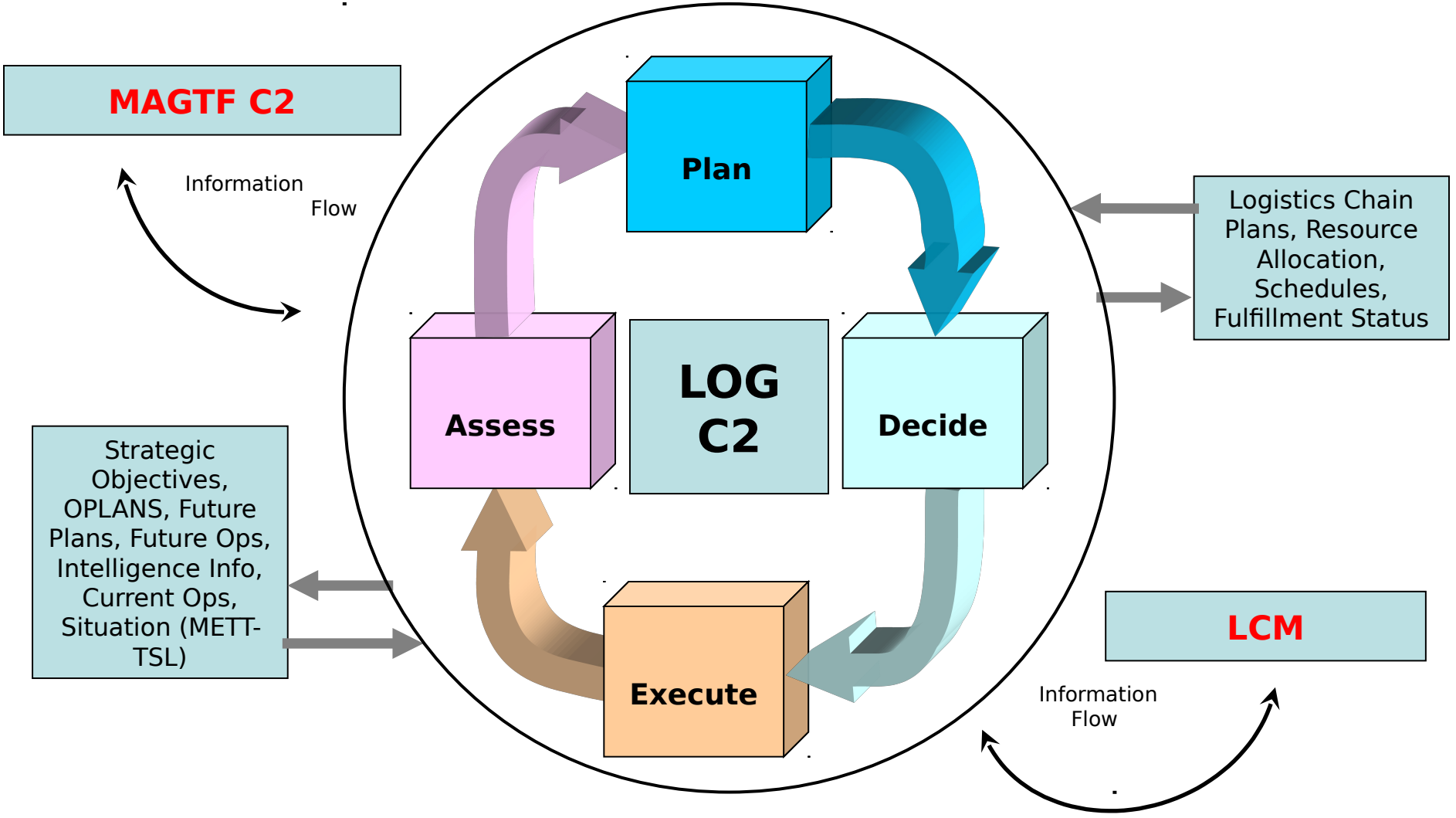
What is “Log C2”…

- There’s only one C2 – and that’s MAGTF C2…
- There’s only one COP – and that’s the MAGTF COP
- So there’s no such thing as “Log C2” or an “LCOP”…
- Now…there’s a logistics portion of the COP and there’s C2 for Logistics …

What is “Log C2”…

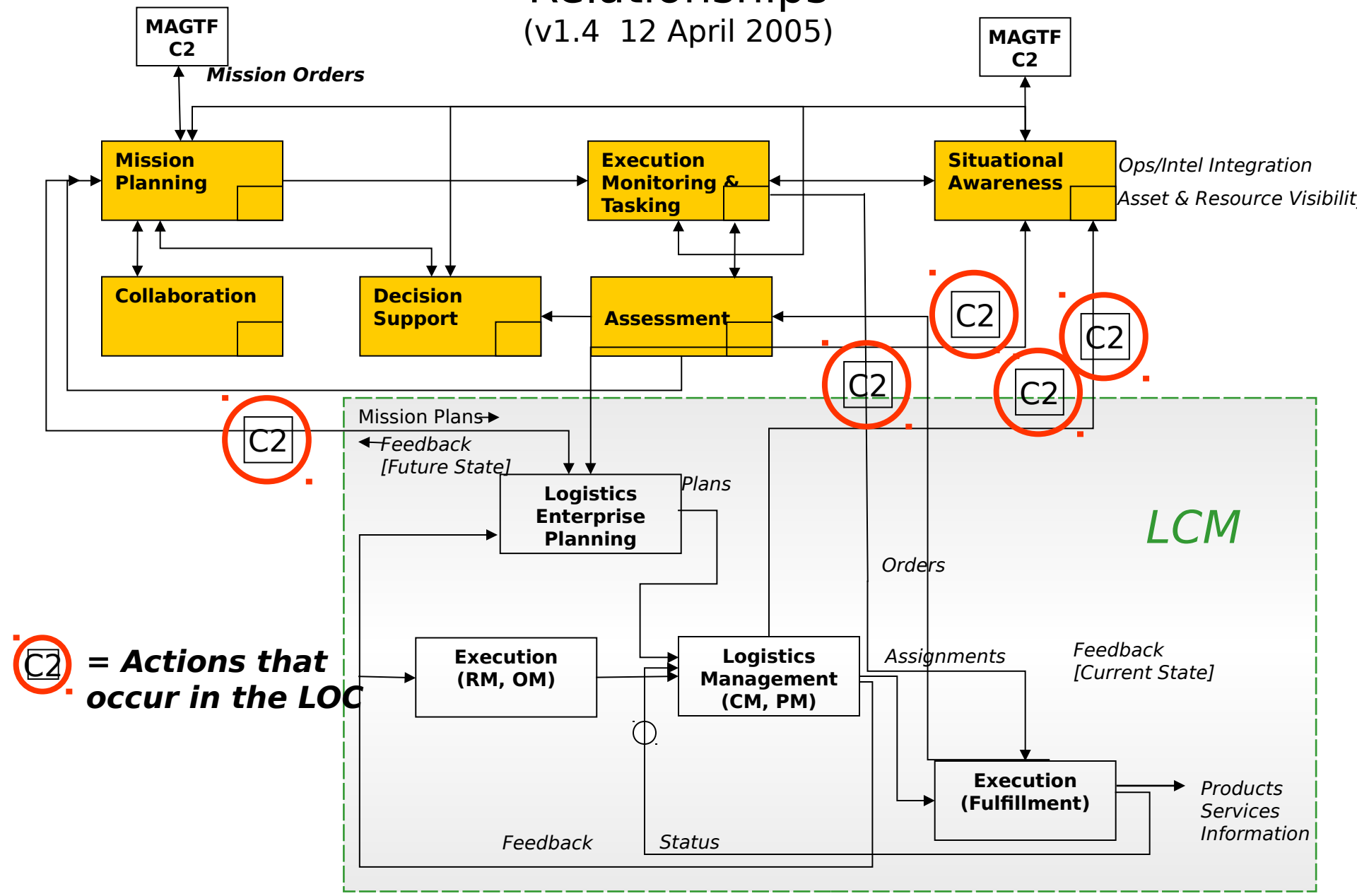
- An initiative under the Log Mod “umbrella”
- Log C2 term was used to focus issues on the LCE
- Focus for the LCE is:
  - Commander’s Decision Support Capability
    - Logistics Operations Center (formerly the CSSOC)
  - Commanders ability to influence units actions through the synchronization of the actions & events occurring within the Log Chain to the MAGTF’s Misson

MAGTF Mission and LOG C2



Proposed LOG C2 Functional Flows and Relationships

(v1.4 12 April 2005)



C2 from the Log Perspective

- Process
  - Identified and substantiated via OA products and doctrine and policy.
  - Identification of relationships both command, supported and supporting
- People
  - Adjustments made once we understand what we are supposed to do and **who does it**.
  - Accomplished via MLG Reorganization
- Technology
  - Instituted and implemented to support what we need to get accomplished and those who need to accomplish specified tasks.
    - COC / JTCW
    - Bandwidth / Enterprise Services
    - Information Technology spanning both C2 and other functional warfighting functions (i.e. Logistics, Fires, Maneuver, etc.)

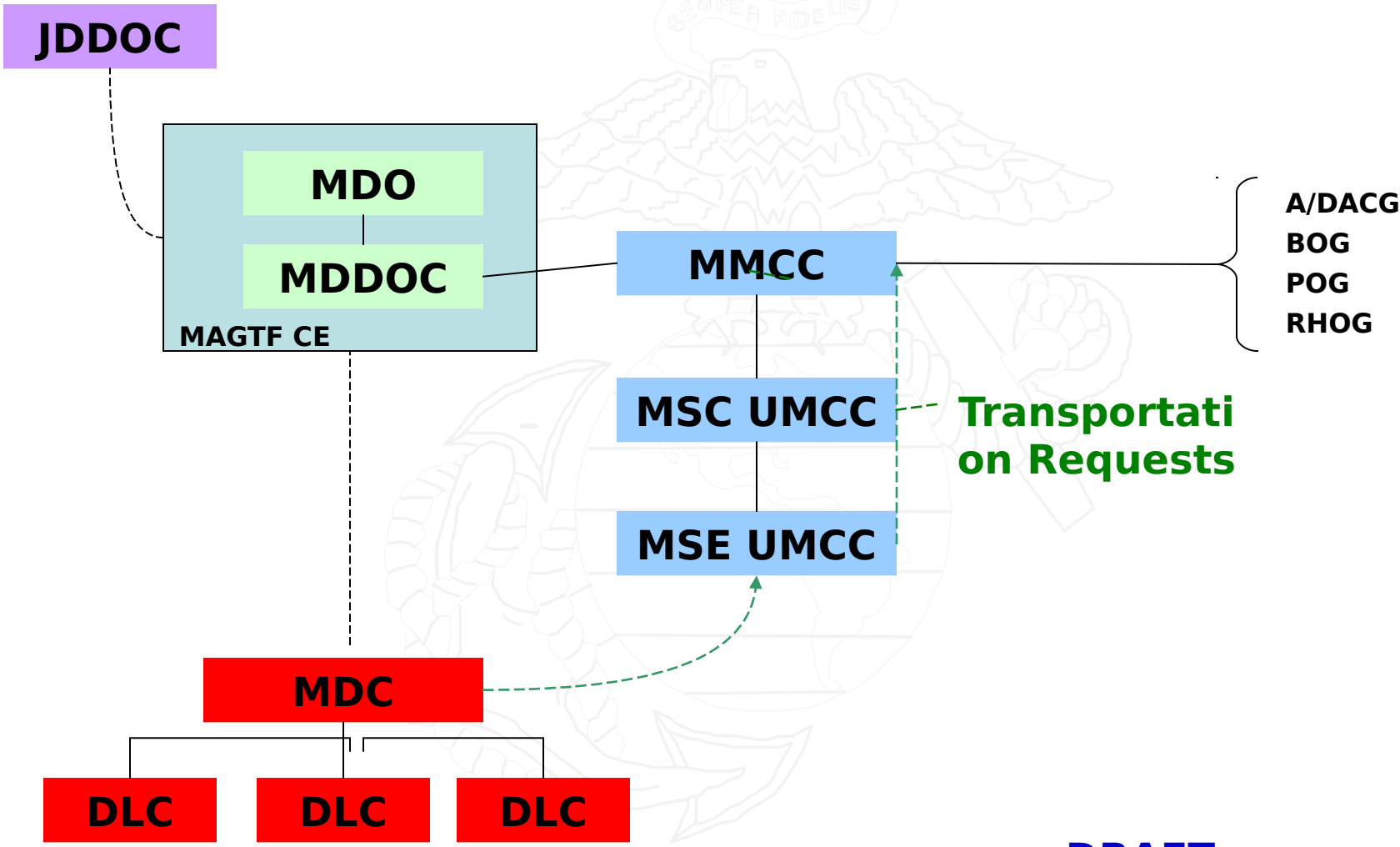
Material Readiness Process Improvement

- MAGTF Distribution
- Realignment of Supply (RoS)
- Realignment of Maintenance (RoM)

MAGTF Distribution

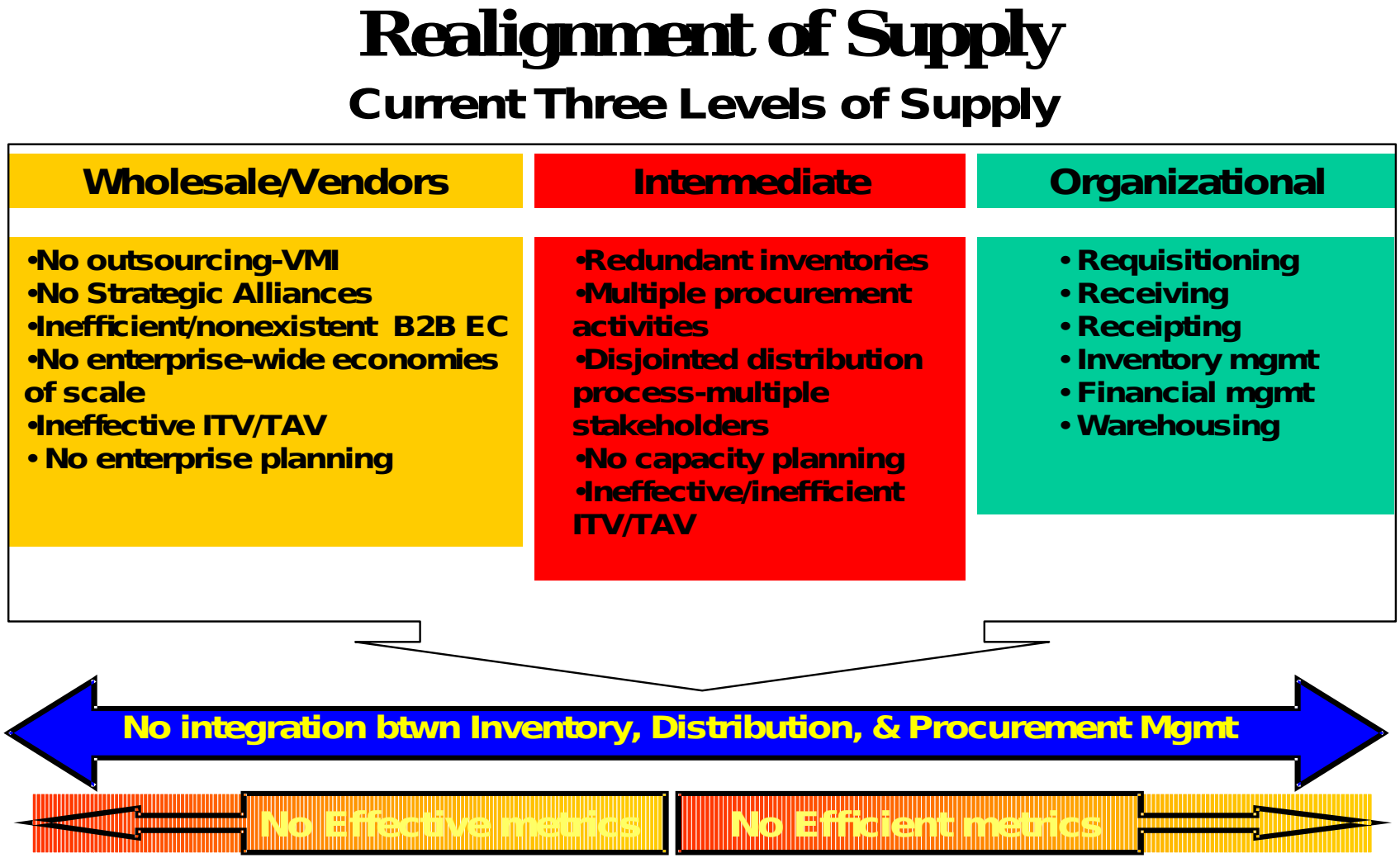
- Capacity, Control, Certainty
- MAGTF Distribution Study
  - Completed spring 2006
- MAGTF Distribution Policy
  - Currently preparing for 4th staffing
  - MARFOR/SE comments being adjudicated
- Distribution Structure and Organizations
  - Marine Forces Component Distribution Officer
  - MAGTF Distribution Officer (MDO)
    - Overall Distribution Capacity Manager
  - MAGTF Deployment and Dist Ops Center (MDDOC)
  - MAGTF Movement Control Center (MMCC)
  - Unit Movement Control Center (UMCC)
  - MAGTF Distribution Center (MDC)
    - Integrated shipping, receiving, delivery
  - Distribution Liaison Cells (DLC)

MAGTF Distribution Organization



DRAFT

Realignment of Supply (RoS)



Realignment of Supply

LogMod Levels of Supply

Sustainment/Field (Wholesale/Retail)		Consumer (Organizational)
Supporting Unit(s)		**Supported Unit**
•Order Management •Capacity Management •Production / Execution •Outsourcing-VMI •Strategic Alliances-LOGCOM •B2B EC w/vendors •Mgmt of 3PL's •Enterprise-wide economies of scale •Enterprise planning •DVD's •ITV/TAV	•CSSE/SE Migration-redundancies •Capacity planning for PCM, MCM, ICM & DCM •CBPF •MAGTF-wide economies of scale •Financial mgmt •MDC-MM & DM •MRP-DRP interface	•GCSS-MC enabled: - Request Management - Production Management - Execution

Less redundancies/improved relationships

Inventory, Distribution, & Procurement Capacity Management

Efficiencies **Effectiveness**

Realignment of Supply (RoS)

- Conducted workshops at I, II and III MEF
  - Baselined current organizational unit functions,
  - Identified organizational core competencies, and developed courses of actions for realigning organizational functions
- Synthesized results produced recommended supply functions that could/should be migrated to the Supporting Unit
  - Infantry Battalion
  - Regimental HQCo
  - MEU Command Element

Realignment of Supply (RoS)

- Confirmed workshop results (migration of supply functions) during the July MRPI WIPT

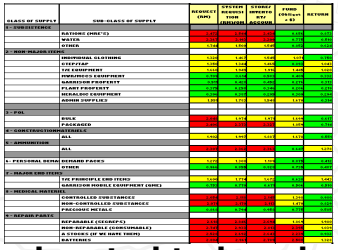
- Produced recommendations on which supply functions should migrate to supported unit

- Drafted new supply chain policy which codifies intent of RoS and assigns roles and responsibilities for the management of all classes of supply

➢ MCO 4400.154 currently staffed in MCATS

RoS Workshop Deliverables

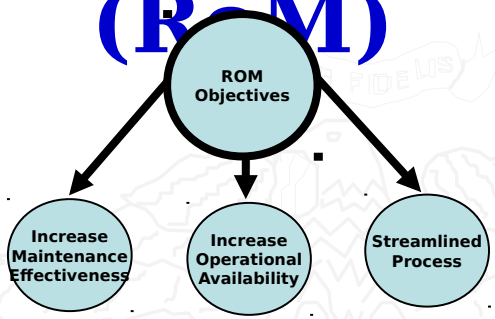
- **Validated PAT results and drafted decision brief for RoS (Spiral I)**



- **Classes of supply/functions designated to be migrated to the Supporting unit:**
  - **Class I**
  - **Class II (individual equipment, selected equip for consolidation under contractor)**
  - **Class III (except packaged POL)**
  - **Class V**
  - **Class VI**
  - **Class VIII**
  - **Garrison mobile equipment (GME)**
  - **Preservation, packaging, and packing (PP&P)**

For units lacking a supporting MLG DS Unit, the classes/functions listed above will be supported either directly from the MLG or by the unit's own embedded supply support. Also, for these items, using units retain responsibility for request management (see logistics operational architecture definition).

Realignment of Maintenance (R-M)



LEVELS OF MAINTENANCE

Operator / Crew	Field	Sustainment
1+	2, 3 & 4 (-)	4(-) & 5

Echelons of maintenance

Majority of 2d EOM tasks	4th EOM Rebuild tasks

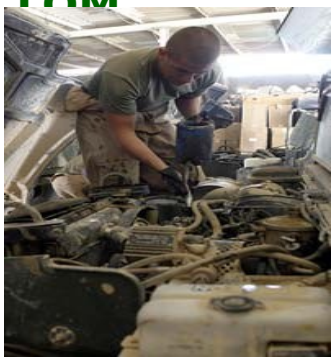
•Sustain MC •Operator focused •1st "on steroids" •Limited diagnostics	•Return to MC •Fix forward •Tech / mech •Not just CSSE •Multi-functional	•Sustain through LC •Title 10 Compliant •Flexible & Scaleable •Other sources

S M & R CODES

C	O & F	H, K, & D

Realignment of Maintenance (RoM)

OPERATOR / CREW LOM



- Minimal tools
- No special equipment
- On-hand inventory
- No special skills training to diagnose or perform
- Able to perform on battlefield

FIELD LOM

- Minimal tools and special equipment
- Inventory available in a timely manner
- May require special skills training to diagnose and perform
- Must be able to perform on battlefield

SUSTAINMENT LOM

- Special tools, equipment, skills training required
- Inventory available in a timely manner
- Will need to be performed in theater

Realignment of Maintenance (RoM)

MCO 4790.1C – Maintenance Policy

- **MCO 5215.1J – “the what”**
- **Marine Corps Maintenance Policy (MCMP)**
- **USMC Ground Maintenance Policy to support MAGTF Ops**
- **Crosses all phases of TLCM**
- **Draft preparing to be re-staffed via MCATS**
  - **Resolving MARCORLOGCOM’s role**

NAVMC (supports MCO 4790.1C)

- **MCO 5215.1J – “the how”**
- **Ground Maintenance Management Execution**

Policy -> Doctrine -> Continual DOTMLPF Assessment

Requirements / Acquisitions / Legacy

Realignment of Maintenance (RoM)

SM&R Code Change

- **Acquisitions**
- **DoD/Joint Policy**
- **Identifies authorized Levels Of Maintenance**

4th EOM Migration

- **Directs maintenance tasks to Field or Sustainment LOM**
- **Initial development of PBA**
  - **Between LOGCOM and MARFORs**
- **Initial phase for SECREP Management**
  - **III MEF test case**
  - **GSM Company**
  - **Reparable Issue Point**

Centralized SECREP Management Policy

- **LOGCOM Lead Developer**
- **Finalize PBA**
- **Policy – MCO / NAVMC**

Realignment of Maintenance (RoM)

Continuing OPFOR Supporting Efforts

Field Maintenance Capability Alignment (FMCA) : Confirm / Concur

- **Realigning Maintenance Capability To More Effectively Support MAGTF Ops**
  - **Phase I – Heavy Ordnance**
  - **Phase II - Low Density MOS & Equipment**
  - **Phase III - Remaining Equipment**

Task To TAMCN (T2T): Confirm / Concur

- **Field Level Maintenance Task That May Migrate To Operator/Crew Level**
  - **Part 1 - No Add Tools/TRNG**
  - **Part 2 - Minimal Tools/TRNG**

Questions???

HEADQUARTERS MARINE CORPS
US MARINE CORPS
LOGISTICS MODERNIZATION
LOGISTICS MODERNIZATION OPERATIONS PLAN
(SOLUTION INITIATING DIRECTIVE)
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